

CFO17866WO

International Application No. International Filing Date Name of receiving Office and "PCT international Application" Form - PCT/RO/101 PCT Request Prepared using PCT-EASY Version 2.92 (updated 01.11.2003) Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty Receiving Office (specified by the applicant) Applicant's or agent's file reference Title of invention THERMOELECTRIC CONVERSION MATERIAL, THERMOELECTRIC CONVERSION DEVICE AND MANUFACTURING METHOD THEREOP Applicant This person is: applicant only all designated States except US CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence JP Telephone No. Papilicant and/or inventor This person is: applicant and/or inventor This person is: applicant and/or inventor This person is: applicant and inventor US only FUKUTANI, Kazuhiko C/O CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko		Te	
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THERMOBLECTRIC CONVERSION DEVICE AND MANUFACTURING METHOD THEREOF Applicant This person is: Applicant for Name CANON KABUSHIKI KAISHA Address: 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan JP State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: CONVERSION DEVICE AND MANUFACTURING METHOD THEREOF Applicant only applicant only Applicant and states except US CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	0-7	Applicant's or agent's file reference	CFO17866WO
Applicant This person is: Applicant for Name Address: State of nationality Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant and inventor Applicant for Name Address: Applicant only all designated States except US CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan Jp State of nationality Jp State of residence Jp Telephone No. 03-3758-2111 03-3756-0947 Applicant and/or inventor This person is: Applicant for US only Name (LAST, First) Address: C/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	1	Title of invention	THERMOELECTRIC CONVERSION MATERIAL,
Applicant This person is: Applicant for Applicant for Name Address: CANON KABUSHIKI KAISHA Address: 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: Applicant and Address: Applicant is: Applicant			THERMOELECTRIC CONVERSION DEVICE AND
This person is: Applicant for Applicant for Name CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: applicant only all designated States except US CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko			MANUFACTURING METHOD THEREOF
Applicant for Name CANON KABUSHIKI KAISHA Address: 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence Telephone No. Facsimile No. O3-3758-2111 O3-3756-0947 Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: Applicant Kaisha 3-30-2, Shimomaruko	-11	Applicant	
Applicant for Name CANON KABUSHIKI KAISHA Address: 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: all designated States except US CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	II-1	This person is:	applicant only
CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence JP Telephone No. 03-3758-2111 Facsimile No. 03-3756-0947 Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	11-2	Applicant for	_
Address: 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501 Japan State of nationality JP State of residence JP Telephone No. 03-3758-2111 Facsimile No. 03-3756-0947 Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: C/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	II-4	Name	
Ohta-ku, Tokyo 146-8501 Japan State of nationality State of residence JP Telephone No. Facsimile No. O3-3758-2111 Facsimile No. O3-3756-0947 Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: C/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	II-5	Address:	3-30-2. Shimomaruko
State of nationality State of residence JP Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: Jp 03-3758-2111 03-3756-0947 Applicant and inventor us only PUKUTANI, Kazuhiko c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko			
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Telephone No. Facsimile No. Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: C/O CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	II-6	State of nationality	<u> </u>
Facsimile No. O3-3756-0947 Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: C/O CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	11-7	State of residence	JP
Applicant and/or inventor This person is: Applicant for Name (LAST, First) Address: O3-3756-0947 applicant and inventor US only FUKUTANI, Kazuhiko C/O CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	11-8	Telephone No.	03-3758-2111
Applicant and/or inventor This person is: Applicant and inventor US only Name (LAST, First) Address: C/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	II-9	Facsimile No.	ł
Applicant for US only Name (LAST, First) Address: C/O CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	III-1	Applicant and/or inventor	
Applicant for Name (LAST, First) Address: US only FUKUTANI, Kazuhiko c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	III-1-1	This person is:	applicant and inventor
Name (LAST, First) PUKUTANI, Kazuhiko c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	III-1-2	Applicant for	
Address: c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko	III-1-4	Name (LAST, First)	.1
3-30-2, Shimomaruko	III-1-5	Address:	·
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		1	- Capair
DIALE UI HALIUHANIY LID	III-1-6	State of nationality	OT.
Japan	III-1-2 III-1-4	Applicant for Name (LAST, First)	US only FUKUTANI, Kazuhiko c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko Ohta-ku, Tokyo 146-8501
State of nationality [JP]	II-1-6	State of nationality	JP

III-2	Applicant and/or inventor	· ·	
III-2-1	This person is:	applicant and inventor	
III-2-2	Applicant for	US only	
111-2-4	Name (LAST, First)	MIYATA, Hirokatsu	
III-2- 5	Address:	c/o CANON KABUSHIKI KAISHA	
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III-2-6	State of nationality	JP	
III-2-7	State of residence	JP	
III-3	Applicant and/or inventor		
III-3-1	This person is:	applicant and inventor	
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III-3-4	Name (LAST, First)	· _	
III-3-5	Address:	OTTO, Albrecht	
111-3-3	Address.	c/o CANON KABUSHIKI KAISHA	
		3-30-2, Shimomaruko	
		Ohta-ku, Tokyo 146-8501	
111-3-6	State of nationality	Japan	
III-3-7	State of residence	DE	
III-4		JP	
	Applicant and/or inventor		
111-4-1	This person is:	applicant and inventor	
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111-4-4	Name (LAST, First)	KURIYAMA, Akira	
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III-4-6	State of nationality	JP	
111-4-7	State of residence	JP	
III-5	Applicant and/or inventor	·	
III-5-1	This person is:	applicant and inventor	
III-5-2	Applicant for	US only	
III-5-4	Name (LAST, First)	OGAWA, Miki	
111-5-5	Address:	c/o CANON KABUSHIKI KAISHA	
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		Ohta-ku, Tokyo 146-8501	
	1	Japan	
III-5-6	State of nationality	JP	
111-5-7	State of residence	JP	

III-6	Applicant and/or inventor		
III-6-1	This person is:	applicant and inventor	
III-6-2	Applicant for	US only	
III-6-4	Name (LAST, First)	OKURA, Hiroshi	
III-6-5	Address:	c/o CANON KABUSHIKI KAISHA	
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		Ohta-ku, Tokyo 146-8501	
		Japan	
111-6-6	State of nationality	JP	
III-6-7	State of residence	JP	
111-7	Applicant and/or inventor		
· III-7-1	This person is:	applicant and inventor	
III-7-2	Applicant for	US only	
III-7-4	Name (LAST, First)	DEN, Tohru	
III-7-5	Address:	c/o CANON KABUSHIKI KAISHA	
		3-30-2, Shimomaruko	
		Ohta-ku, Tokyo 146-8501	
		Japan	
III-7-6	State of nationality	JP	
III-7-7 	State of residence	JP	
IV-1	Agent or common representative; or address for correspondence		
	The person identified below is	agent	
	hereby/has been appointed to act on behalf of the applicant(s) before the		
	competent International Authorities as:		
IV-1-1	Name (LAST, First)	OKABE, Masao	
IV-1-2	Address:	No. 602, Fuji Bldg.	
	ĺ	2-3, Marunouchi 3-chome	
		Chiyoda-ku, Tokyo 100-0005	
IV-1-3	Telephone No.	Japan	
IV-1-4	Facsimile No.	03-3213-1561	
IV-2	Additional agent(s)	03-3214-0929	
11-2	Additional agent(s)	additional agent(s) with same address as	
IV-2-1	Name(s)	first named agent	
	1	KATO, Nobuaki; UBUKATA, Kazuo; USUI,	
		Shinichi; FUJINO, Ikuo; OCHI, Takao; MOTOMIYA, Teruhisa; TAKANASHI,	
		Norimichi; ASAHI, Nobumitsu; TAKAHASHI,	
		Selichiro; YOSHIZAWA, Hiroshi; MATSUI,	
		Takao	
	<u> </u>		



CFO17866WO

V	Designation of States		
V-1	Designation of States Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT	
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW	
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national		
VI-1-1	application Filing date	13 December 2002 (13.12.2002)	
VI-1-2	Number	Patent Application No. 2002-363133	
VI-1-3	Country	JP	
-	1	<u> </u>	



PCT REQUEST

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VI-2	Priority document request		
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified	VI-1	
VII-1	above as item(s): International Searching Authority	Buropean Patent Offi	ce (EPO) (ISA/EP)
VIII	Chosen		
VIII-1	Declarations Declaration as to the identity of the	Number of declarations	
•	inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	_	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)		
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	6	-
IX-2	Description	38	_
IX-3	Claims	4	_
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	6	-
IX-7	TOTAL	55	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	√	_
IX-9	Original separate power of attorney	. ✓	_
IX-17	PCT-EASY diskette	-	Diskette
IX-18	Other (specified):	revenue stamps	-
IX-18	Other (specified):	receipt of the fees	_
		paid to deposit	
		account of WIPO	
IX-18	Other (specified):	receipt of the fees	-
		paid to deposit	
		account of EPO	
IX-19	Figure of the drawings which should accompany the abstract	4	· · · · · · · · · · · · · · · · · · ·
IX-20	Language of filing of the International application	English	
X-1	Signature of applicant, agent or common representative	Anthe E	Tous
X-1-1	Name (LAST, First)	USUI, Shinichi	·

PCT REQUEST

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